BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Improvements to Roads and Drains at Balaji Layout in Ward No. 08, Kodigehalli Sub Division. (Change of Place: CC Road Kodigehalli Village Surroundings).

Name of Agency: N.M. Shivakumar, Contractor, # 7, 2nd Block, Jaganahalli, Rajajinagar, Bangalore.

Estimated Cost: 10,00,000.00

D.R. No. 323/13-14

Tender Amount : Rs. 10,32,417.05

Work Order No. EE/BTP/BBMP/E-PMT/04(12211)/40/2014-15 Dated: 15.07.2014.

SL No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount			
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides	Cum	216.45	90.72	19636.34	216.45	95.21	20608.20	84.30	84.30	95.21	8026.00				8026.00	12582.20	
2	Removing B.S. Slab Drain and stacking etc complete as per specifications and directions of engineer in charge of the work	Sqm	67.50	50.11	3382.43	67.50	52.59	3549.83	0.00	0.00	52.59	0.00				0.00	3549.83	
3	Refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of	Sqm	67.50	70.04	4727.70	67.50	73.51	4961.93	0.00	0.00	73.51	0.00				0.00	4961.93	
4	Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite	Cum	3.60	4290.84	15447.02	3.60	4503.24	16211.66	110.25	4.50	4503.24	20272.00	105.75	5088.91	538152.00	558424.00		542212.34
5	Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high,	Cum	12.96	4341.76	56269.21	12.96	4556.68	59054.57	0.00	0.00	4556.68	0.00				0.00	59054.57	
6	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and	Sqm	21.60	76.32	1648.51	21.60	80.10	1730.16	0.00	0.00	80.10	0.00				0.00	1730.16	
7	Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum	Cum	1.44	4690.50	6754.32	1.44	4922.68	7088.66	0.00	0.00	4922.68	0.00				0.00	7088.66	

Exe. Engr.
Stp. Dn.

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount			
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached	Sqm	15.00	271.08	4066.20	15.00	284.50	4267.50	0.00	0.00	284.50	0.00				0.00	4267.50	
	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse	Cum	4.97	5639.76	28029.61	4.97	5918.93	29417.08	73.50	6.21	5918.93	36785.00	67.29	6367.94	428483.00	465268.00		435850.92
9	Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring	Qntl	3.97	7450.92	29580.15	3.97	7819.74	31044.37	0.00	0.00	7819.74	0.00				0.00	31044.37	
10	Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300.2 complete as per	Sqm	240.00	166.32	39916.80	240.00	175.55	42132.00	0.00	0.00	175.55	0.00				0.00	42132.00	
11	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to	Cum	240.00	1121.04	269049.60	240.00	1176.53	282367.20	0.00	0.00	1176.53	0.00				0.00	282367.20	
12	Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes	Sqm	1200.00	10.53	12636.00	1200.00	11.05	13260.00	0.00	0.00	11.05	0.00				0.00	13260.00	
13	Providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted	Sqm	1200.00	142.07	170484.00	1200.00	149.10	178920.00	0.00	0.00	149.10	0.00				0.00	178920.00	
14	Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading,	Cum	30.00	9981.36	299440.80	30.00	10475.44	314263.20	0.00	0.00	10475.44	0.00				0.00	314263.20	

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount			
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*
15	Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5	Sqm	48.00	471.96	22654.08	48.00	495.32	23775.36	0.00	0.00	495.32	0.00				0.00	23775.36	
16	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per	Cum	216.45	72.71	15738.08	216.45			0.00	0.00	0.00	0.00				0.00		
17	Miscelaneous and unforgen charges	LS			539.00													
	Total				**1000000.00**			**1032651.72**				**65083.00**			**966635.00**	**1031718.00**	**978996.97**	**978063.25**

0.0904 Below

SUMMARY:

1 **Estimated Cost : Rs. 10.00 Lakhs**

2 **Tender Cost : Rs. 10.32 Lakhs**

3 **Executed Cost: Rs. 10.31 Lakhs**

4 **During execution as per requirement and site condition, the executed Qty. costs Rs. 10.31 Lakhs which is 0.0904% BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer

D.K. Madhusudhan

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92